

What is claimed is:

1. A method for treating conditions associated with the response of acid-sensing ion channels of the DEG/ENaC channel family comprising administering an agonist, antagonist, or modulator of the acid-sensing ion channels in the presence or absence of FMRFamide or FMRFamide-related peptides in a therapeutically-effective amount.

2. The method of claim 1 wherein the condition is selected from the group consisting of pain, altered taste sensation, behavior disorder, neurologic disease, psychiatric disease, altered blood pressure, altered respiration, and opiod addiction.